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L1	172	homoserine transsuccinylase or SAM and L-methionine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 15:07
L2	11	I1 and reduced sensitivity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 15:03

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homoserine AND transsuccinylase and mutant

☒ Journal sources ☒ Preferred Web sources ☒ Other Web sources ☐ Exact phrase

Searched for:: :All of the words: **homoserine AND transsuccinylase AND mutant**

Found:: :**24 total** | **8 journal results** | **7 preferred web results** | **9 other web results**

Sort by:: :**relevance** | date

- ☐ 1. Norleucine accumulation by a norleucine-resistant mutant of *Serratia marcescens*.
Kisumi, M / Sugiura, M / Chibata, I, *Applied and Environmental Microbiology*, Dec 2003
A norleucine-resistant **mutant** was derived from an isoleucine-valine...marcescens. The norle **mutant** could accumulate norleucine from...which antagonized norleucine. This **mutant** cons **homoserine-O-transsuccinylase**.

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- ☐ 2. Norleucine accumulation by a norleucine-resistant mutant of *Serratia marcescens*.
M Kisumi / M Sugiura / I Chibata, *Appl Environ Microbiol*, Aug 1977
A norleucine-resistant **mutant** was derived from an isoleucine-valine...marcescens. The norle **mutant** could accumulate norleucine from...which antagonized norleucine. This **mutant** cons **homoserine-O-transsuccinylase**.

MEDLINE/PubMed Citation on  **PubMed**

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- ☐ 3. No Title [ASCII-246K]
Feb 2003
...phosphatase ackA 1203 P15046 2411.50 Acetate kinase **mutants** fluoroacetate resistant a P25516...add 1002 P22333 1700.30 Adenosine deaminase **mutants** affect growth on deoxya **mutants** adhC 1110 P25437 378.80 Alcohol-acetaldehyde...
[http://www.cs.huji.ac.il/~bioskill/Data/EColi/Colibri_...]
[similar results](#)


- ☐ 4. Subject index vol. 23 (1984)
FEMS Microbiology Letters, Jul 1984
...283 *Halobacterium halobium*, **mutant**, constitutive production of...extracts, in vitro activity dehydrogenase, *Pseudomonas aeruginosa*, **mutant**, lysine excretion, 11 **homoserine trans** *Escherichia coli*, metA gene...

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- ☐ **5. GENENAME CAI ADDF [ASCII-235K]**
 Feb 2003
 ...60599107 "orf,_hypothetical_protein" guaB0.60543096 "IMP_dehydrogenase" suhB0.6050:
 "enhances_synthesis_of_sigma32_in_mutant;_extragenic_suppressor,_may_modulate_RNA:
 hlpA0.6043104 "histone-like_protein,_located_in_outer_membrane...
[more hits from](#) [http://www.ihes.fr/~materials/caidats/Escherichia_coli...]
[similar results](#)

- ☐ **6. COMPOSITIONS AND METHODS FOR MODELING**
PARK, Sung, M. / SCHILLING, Christophe, H. / PALSSON, Bernhard, O. / GENOMATI
COOPERATION TREATY APPLICATION, Oct 2003
 The invention provides an in silico model for determining a Bacillus subtilis physiological funct
 includes a data structure relating a plurality of B. subtilis reactants to a plurality of B. subtilis
 constraint...
Full text available at patent office. For more in-depth searching go to  LexisNexis®
[view all 7 results from Patent Offices](#)
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- ☐ **7. No Title [ASCII-164K]**
 Oct 2003
 ...3-deoxygluconate permease 2-oxoglutarate dehydrogenase paren dihydrolipoamide **transs**
 subunit paren 2-oxoglutarate dehydrogenase paren dihydrolipoamide **transsuccinylase**, E2 :
 oxoglutarate dehydrogenase paren E1 subunit paren...
[more hits from](#) [http://www.oeb.harvard.edu/hartl/lab/publications/Gene...]
[similar results](#)

- ☐ **8. No Title [ASCII-219K]**
 May 1999
 Cluster Distance Y_name SGDID GENE Chromosome Start End Introns Exons Description 1 0.3
 S0000168 RPS8A II 89116 88514 0 1-603 Ribosomal protein S8A (S14A) (rp19) (YS9) 1 0.7:
 S0000179 II 70128 69703 0 1-426 1 0.
 [http://arep.med.harvard.edu/network_discovery/clusters...]
[similar results](#)

- ☐ **9. GENE DESCRIPTION OF THE GENETIC MAP OF BACILLUS SUBTILIS [ASCII-104K]**
 Oct 1996
 ...helicase || (276) (277) (812) (914). | | addB| 98| Subunit of ATP-dependent deoxyribonuc
 show increased stability for some || plasmids (276) (277) (812) (914). | | adeC| 124| Adenir
 [http://locus.jouy.inra.fr/genmic/madbase/genes/tabgene...]
[similar results](#)

- ☐ **10. Amino acid biosynthesis and its regulation in cyanobacteria**
Riccardi, G. / de Rossi, E. / Milano, A., Plant Science, Jan 1989
 ...Utilizing a phenyl- alanine requiring **mutant** strain {lacking pre- phenate dehydratase...difl
 heterocysts and akinetes. Indeed, **mutant** ana- lyses and physical separation of...29151 [38]
 [39]. **Mutants** deficient in the regulation of biosyn...
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- ☐ **11. pdf-249 249..266 [PDF-90K]**
 Sep 2002
 Nature © Macmillan Publishers Ltd 1997 NATURE | VOL 390 | 20 NOVEMBER 1997 249 article
 genome sequence of the Gram-positive bacterium Bacillus subtilis F. Kunst1, N. Ogasawara2,
 Albertini4, G. Alloni4, V. Azevedo5, M. G. Bertero3,4, P. Bessie`res5, A. Bolotin5, S.
 [http://microimm.queensu.ca/micr930/pdf_files/Bacillus_...]
[similar results](#)

- ☐ **12. Expression of the metA gene of Escherichia coli K-12 in recombinant plasmids**
Michaeli, S. / Ron, E.Z., FEMS Microbiology Letters, Jul 1984

...enzyme **homoserine transsuccinylase** (HTS) (b) resistance...recombinant plasmids (**Homoserine transsuccinylase** metaA gene methionine...a spontaneous **mutant** for ethionine...determinant **transsuccinylase** (HTS) Cells were...

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- ☐ 13. [Regulation of O-alkylhomoserine-forming enzyme involved in methionine biosynthesis in *Corynebacterium acetophilum*](#)

Murooka, Y. / Harada, T., *Biochimica et Biophysica Acta (BBA)/General Subjects*, Aug 1970
...showed that the auxotrophic **mutant**, which can grow with O-ethylhomoserine but not with place of methionine on...However, the inductions of **homoserine-O-transsuccinylase** and **transacetylase** are unknown...

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- ☐ 14. [YEAST PROTEOME ANALYSIS](#)

**BADER, Gary / CLIMIE, Shane / DUROCHER, Daniel / FIGEYS, Daniel / GRUHLER, Al
Adrian, Mark / HO, Yuen / (...) / MUSKAT, Brenda, *PATENT COOPERATION TREATY APPLICATION***
Methods and reagents for high throughput analysis of protein-protein interaction networks using mass spectrometry.

Full text available at patent office. For more in-depth searching go to  **LexisNexis®**

[view all 7 results from Patent Offices](#)

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- ☐ 15. [Suppression of filamentation in a new *lex* mutant by a linked \(*lexA*\) mutation in *Escherichia coli*](#)
Donch, J.J. / Greenberg, J., *Mutation Research/Fundamental and Molecular Mechanisms of Mutagenesis*, 1976

...*lexA*102 *lex*113. Such a **mutant** would allow us to study...on *lex*113. A double **mutant** could be obtained or...the biosynthesis of **homoserine O-transsuccinylase** [19] was being diluted...*lexA*1021-**mutants** did not occur because...


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- ☐ 16. [NUCLEIC ACID FRAGMENTS, CHIMERIC GENES AND METHODS FOR INCREASING THE METHIONINE CONTENT OF THE SEEDS OF PLANTS](#)

**FALCO, Saverio, Carl / GUIDA, Anthony, Dominick, Jr. / LOCKE, Mary, Elizabeth, Har
PONT DE NEMOURS AND COMPANY, *PATENT COOPERATION TREATY APPLICATION*, Nov 1990**
...feedback-insensitive aspartokinase- **homoserine** dehydrogenase (AK-HDH), which...on the **A mutant** corn line which had an elevated...aspartyl P-semialdehyde by **homoserine** dehydrogenase...fact be desirable to make **mutants** of the sequence in order to...

Full text available at patent office. For more in-depth searching go to  **LexisNexis®**

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- ☐ 17. [METHODS FOR IDENTIFYING DRUG TARGETS BASED ON GENOMIC SEQUENCE DATA](#)

PALSSON, Bernhard / PALSSON, Bernhard, *PATENT COOPERATION TREATY APPLICATION*
This invention provides a computational approach to identifying potential antibacterial drug targets from a genome sequence and its annotation. Starting from a fully sequenced genome, open reading frames are identified which determine the...

Full text available at patent office. For more in-depth searching go to  **LexisNexis®**


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- ☐ 18. [METHODS FOR CONTROLLING NORLEUCINE CONTENT IN POLYPEPTIDES](#)

**BRUNNER, David P. / HARBOUR, Gary C. / KIRSCHNER, Richard J. / PINNER, James
Robert L. / PHARMACIA & / UPJOHN COMPANY, *EUROPEAN PATENT*, Dec 1990**

...Formation of norleucine by complex regulatory **mutants** of *Serratia marcescens* has been reported (J. Biol. Chem. 248, pp. 135-38 (1977)). A **mutant** of *S. marcescens* which was derepressed...further selected a dependent **mutant** lacking threonine dehydratase. From this...

Full text available at patent office. For more in-depth searching go to  LexisNexis[®]
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☐ 19. [Effect of d-serine on the antibiotic inhibition of one-carbon metabolism](#)

de Lorenzo, V. / Aguilar, A. / Asensio, C., *FEMS Microbiology Letters*, Jan 1982

...*Escherichia coli* K-12 **dsdA mutants**, lacking the inducible...microcin 15m inhibits **homoserine transsuccinylase**, the first specific...described for **dsdA mutants**. In this paper it is...*coli* K-12 unable to form D-serine...


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☐ 20. [METHODS OF OPTIMIZING SUBSTRATE POOLS AND BIOSYNTHESIS OF POLY- \$\gamma\$ -B-glutamate](#)

GRUYS, Kenneth, James / MITSKY, Timothy, Albert / KISHORE, Ganesh, Murthy / SIENKOWSKA, Charles / PADGETTE, Stephen, Rogers / STARK, David, Martin / HINCHEE, Maud, Annette / FEDELE, Mary, Jacqueline, *PATENT COOPERATION TREATY APPLICATION*, Jan 1998

...or deregulated aspartate kinase and **homoserine** dehydrogenase wherein each of said intracellular or deregulated aspartate kinase **homoserine** dehydrogenase and threonine synthase...wild-type or deregulated aspartate kinase **homoserine** dehydrogenase and a wild-type or deregulated...

Full text available at patent office. For more in-depth searching go to  LexisNexis[®]
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homoserine transsuccinylase and mutant

- 2003

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Adv
Sci
SciThe "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)

Scholar

Results 1 - 10 of about 48 for homoserine transsuccinylase and mutant . (0.02 seconds)

[CITATION] The control of **homoserine-O-transsuccinylase** in a
methionine-requiring **mutant** of the blue-green alga ...

SF Delaney, A Dickson, NG Carr - J. Gen. Microbiol, 1973

Cited by 12 - [Web Search](#)

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Inhibition of Growth of Escherichia coli and of Homoserine O-Transsuccinylase by α -Methylmethionine - group of 3 »

S Schlesinger - Journal of Bacteriology, 1967 - [jb.asm.org](#)

... pathway (4, 5, 14) and inhibits the activity of **homoserine O-transsuccinylase**, the first ... Strain CW3747 is a methionine-requiring **mutant** of Esch- erichia coli K ...

Cited by 8 - [Web Search](#)

Regulation of the Methionine Feedback-Sensitive Enzyme in Mutants of Salmonella typhimurium - group of 3 »

DA Lawrence - Journal of Bacteriology, 1972 - [jb.asm.org](#)

... inhibitor concentrations of 10 mM, the metA feedback-resistant **mutant** en- zyme ... TABLE

1. Effect of rn,ethionine on **homoserine-O- transsuccinylase** formation at ...

Cited by 7 - [Web Search](#)

The methionine biosynthetic pathway from homoserine in Pseudomonas putida involves the metW, metX, ... - group of 4 »

M Alaminos, JL Ramos - Archives of Microbiology, 2001 - Springer

... Dr. Kensuke Furukawa for providing the MetZ **mutant** before publication ... Nucleotide sequence of the metA gene encoding **homoserine transsuccinylase** in Escherichia ...

Cited by 6 - [Web Search](#) - [BL Direct](#)

Expression of the metA gene of Escherichia coli K-12 in recombinant plasmids. - group of 3 »

S Michaeli, EZ Ron - FEMS Microbiology Letters, 1984 - Blackwell Synergy

... a) in vitro activity of the metA product--the enzyme **homoserine transsuccinylase** (HTS); (b ... sup + (unmapped) and EH47 met J47 a spontaneous **mutant** for ethionine ...

Cited by 4 - [Web Search](#)

Heat shock-dependent transcriptional activation of the metA gene of Escherichia coli - group of 5 »

D Biran, N Brot, H Weissbach, EZ Ron - Journal of Bacteriology, 1995 - [jb.asm.org](#)

... Cultures of strain GW1000 (C) and its rpoH **mutant**, GW4701 (A), were grown at 32

C ... Regulation of **homoserine transsuccinylase** in whole cells of Bacillus polymyxa ...

Cited by 20 - [Web Search](#) - [BL Direct](#)

Microcin 15m from Escherichia coli: mechanism of antibiotic action. - group of 3 »

A Aguilar, JC Perez-Diaz, F Baquero, C Asensio - Antimicrobial Agents and Chemotherapy, 1982 - [aac.asm.org](#)

... of the first enzyme of the methionine biosynthetic pathway, **homoserine-O-transsuccinylase**, in a ... in our laboratory (1). An E. coli LP15 met **mutant** was obtained ...

Cited by 4 - [Web Search](#)

Screening for mutants temperature sensitive in protein synthesis by using methionine

analogues - group of 2 »

A Schmidt, L Bialer, EZ Ron - Molecular Genetics and Genomics, 1981 - Springer

... inactivation of the first enzyme in methionine biosynthesis, **homoserine transsuccinylase** (Ron and ... relA mutation the high rate of RNA synthesis of **mutant** ...

[Web Search](#)

Norleucine accumulation by a norleucine-resistant **mutant** of *Serratia marcescens*. - group of 4

»

M Kisumi, M Sugiura, I Chibata - Applied and Environmental Microbiology, 1977 - aem.asm.org

... This **mutant** constitutively formed **homoserine-O-transsuccinylase**. Norleucine is a well-known antagonist of methionine in many microorganisms (1, 3, 10). ...

[Web Search](#)

Regulation of Homocysteine Biosynthesis in *Salmonella typhimurium*1 - group of 3 »

MA Savin, M Flavin, C Slaughter - Journal of Bacteriology, 1972 - jb.asm.org

... **mutant**; such evidence suggests a possible role for a ... assays for the **transsuccinylase** which, in conjunction with the ... 6). L- Cystathionine, L-**homoserine**, 3H-L ...

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